

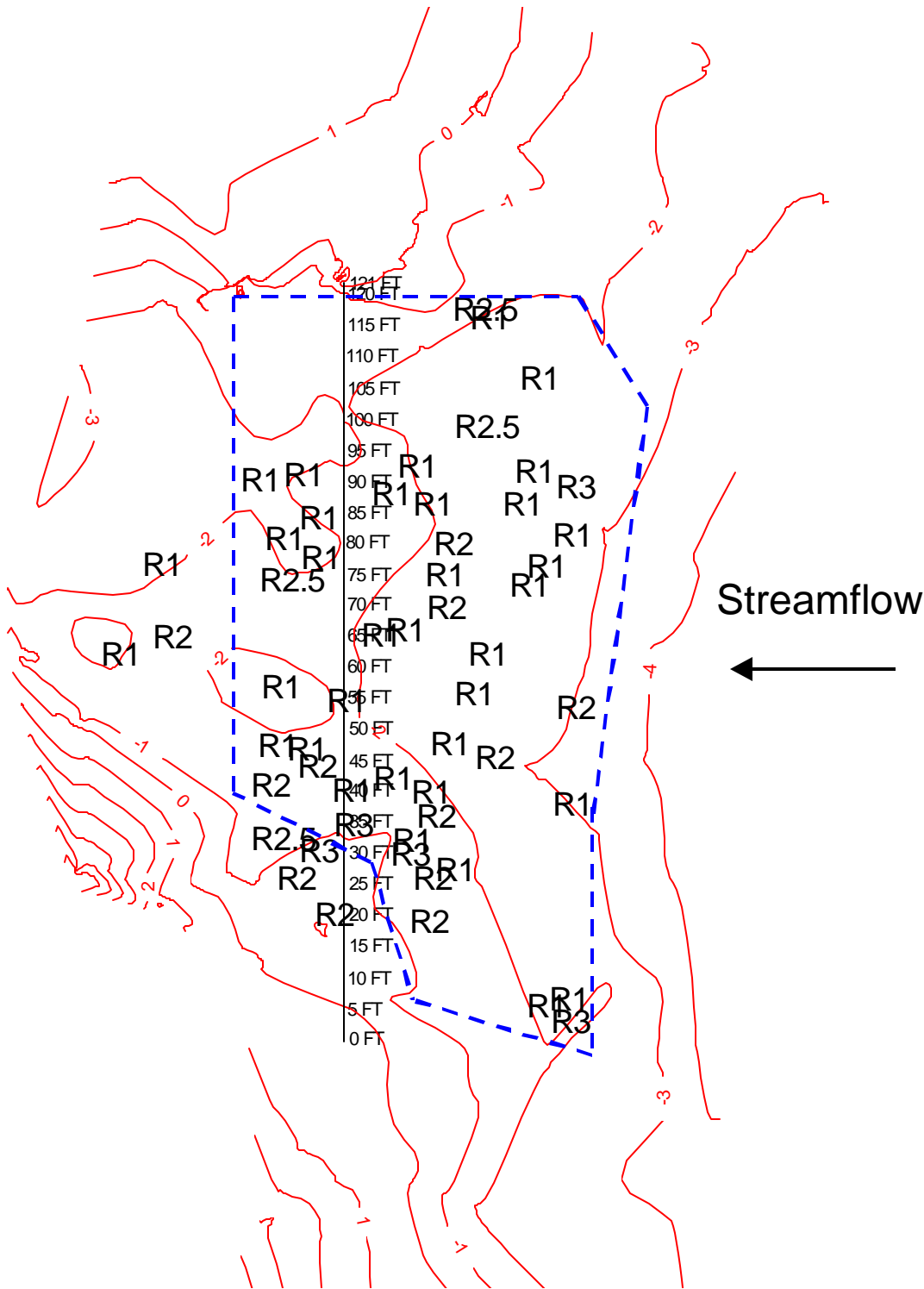
Fall 2004 Phase II Studies Knights Ferry Gravel Replenishment Project

APPENDIX 3

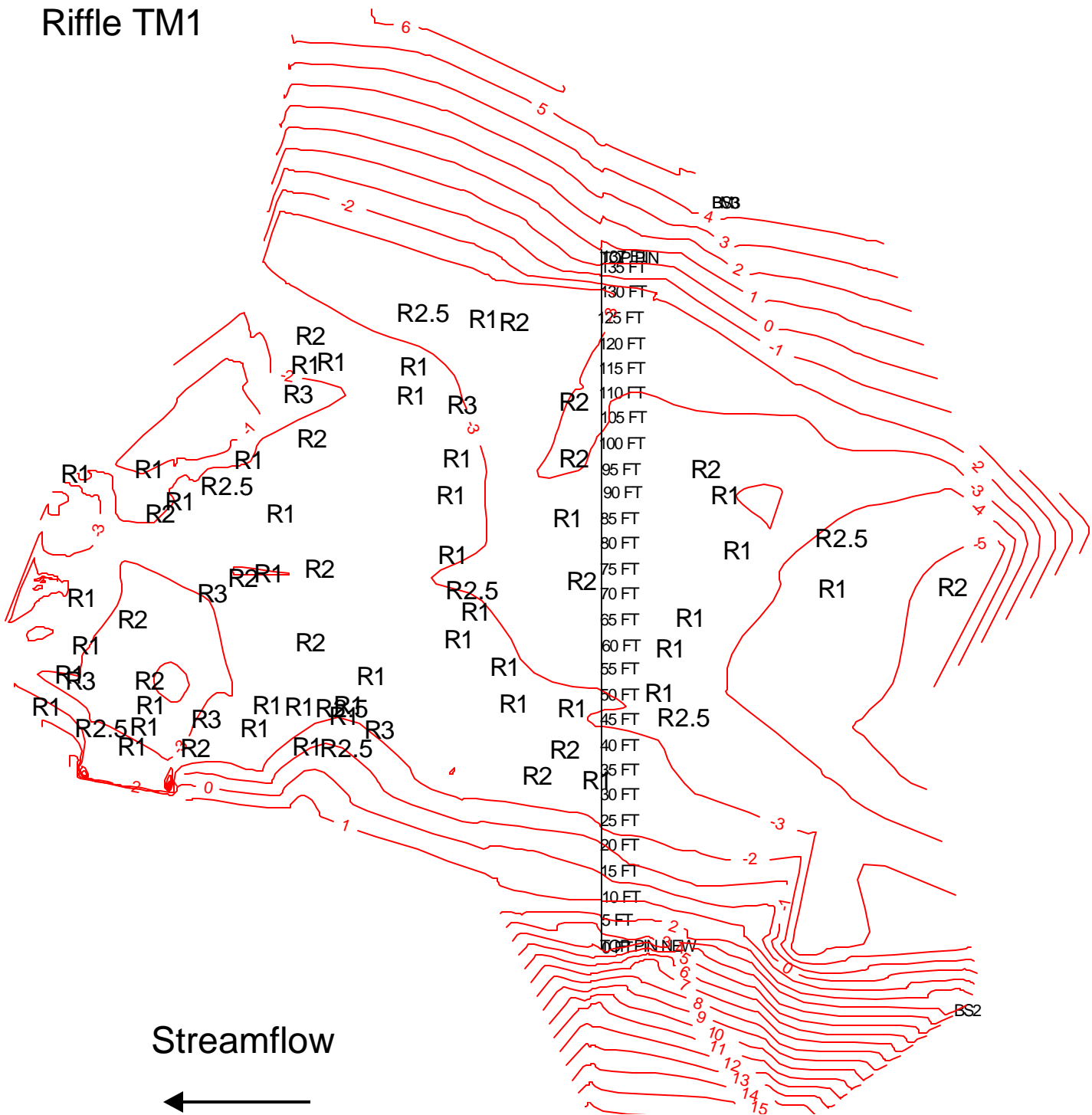
Fall 2004 Post-Project Contour Maps of Study Sites and Redd Locations

The maps of the 18 Knights Ferry Gravel Replenishment Project sites are based on September 2004 topographic surveys whereas the maps for the 7 control sites are based on September 2000 topographic surveys. Each map shows the direction of streamflow, location of the permanent transect (vertical black line), transect station locations in five-foot increments, the location of gravel placement in 1999 (dashed blue polygon), location of fall-run Chinook salmon redds identified by survey number (R1 = survey #1), location of egg chambers planted on November 8 or 12, 1994 (e.g., E1 or E1-Nov), location of egg chambers planted on December 2, 2004 (e.g., E1-Dec), the location of superimposed redds (green ovals), and the location of non-superimposed redds (purple ovals) that were excavated in March 2005 to evaluate fry entombment rates.

Riffle TMA

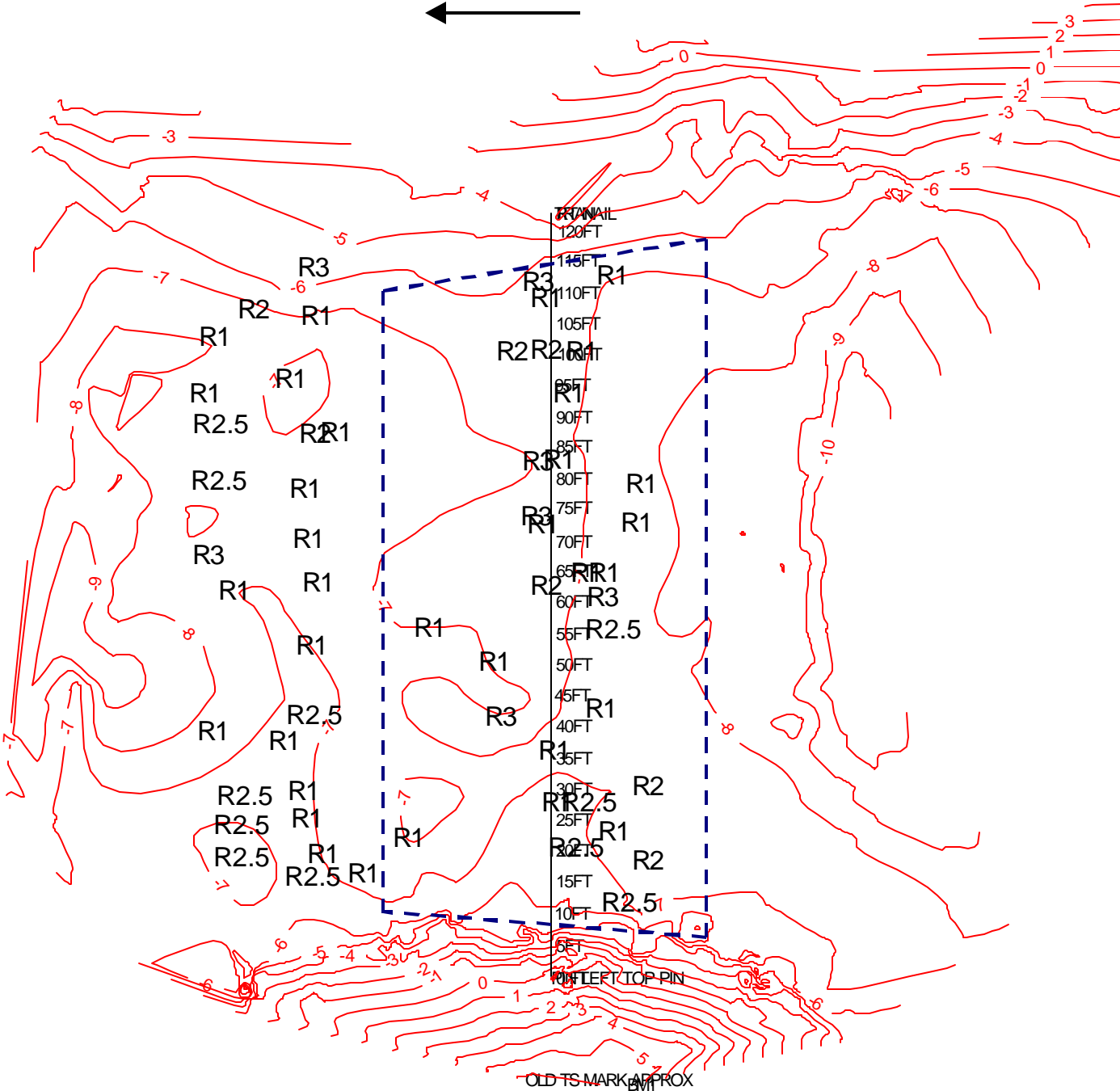


Streamflow



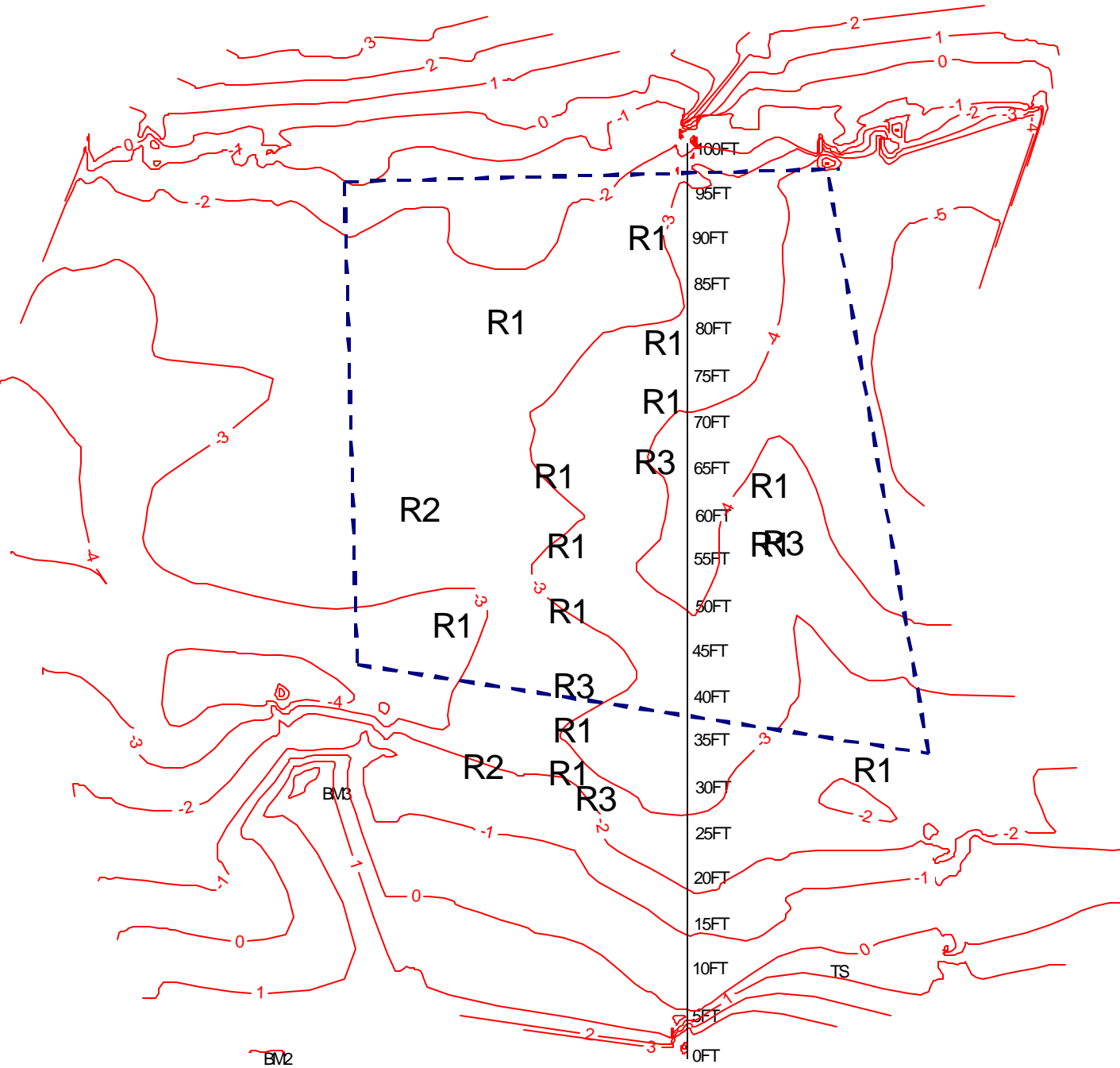
Riffle R1

Streamflow

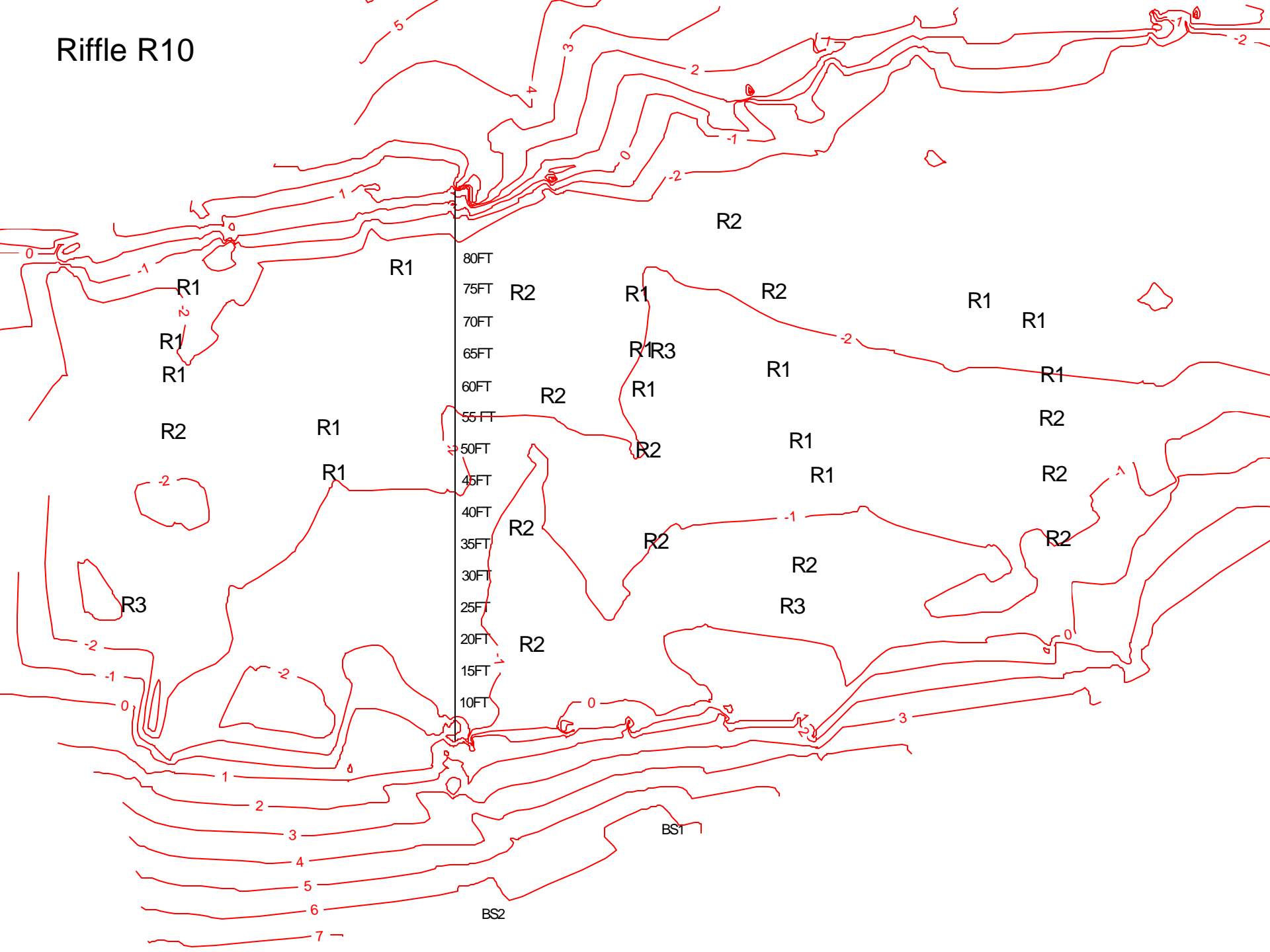


Riffle R5

Streamflow



Riffle R10



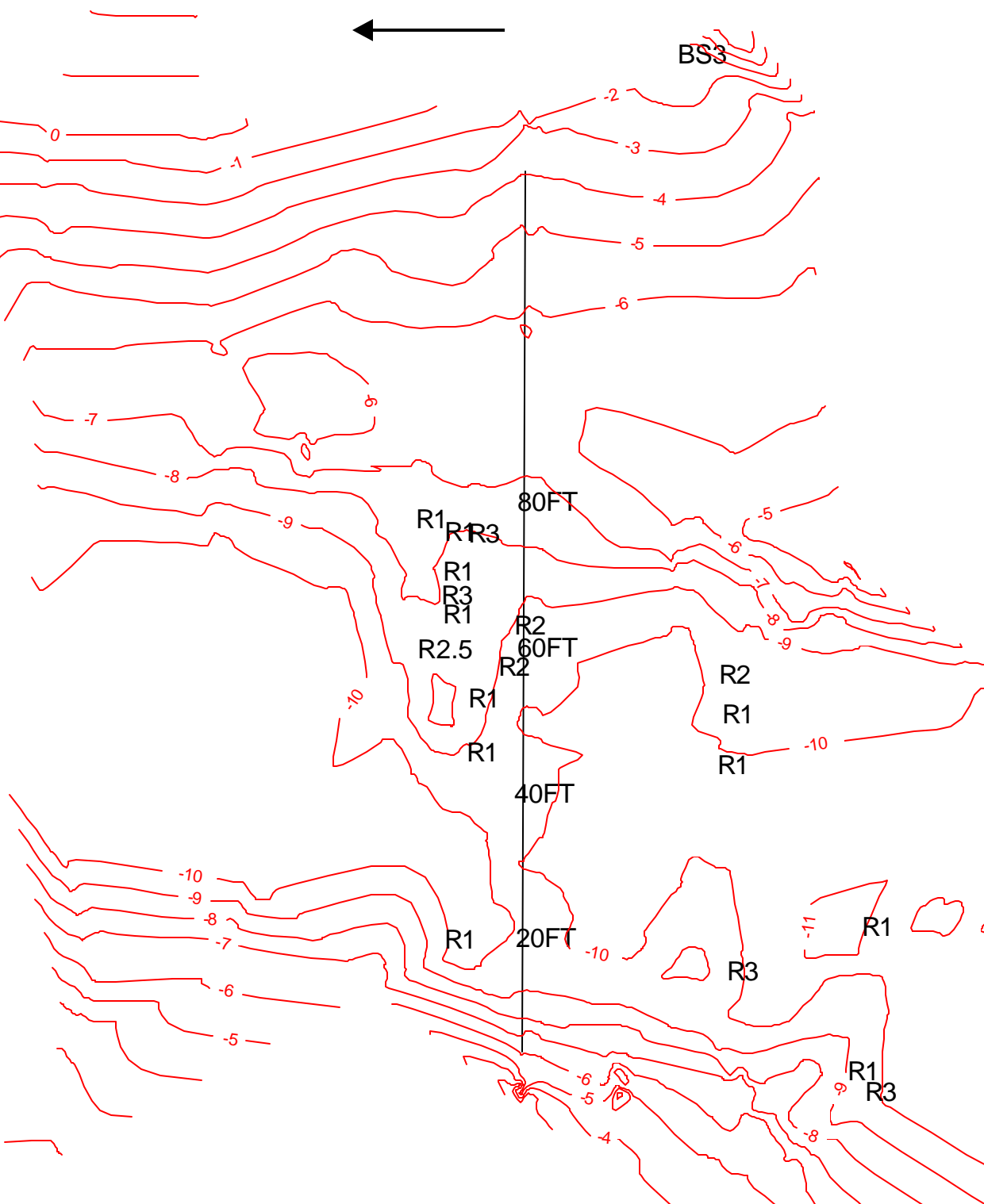
Riffle R12

Streamflow



BS1

BS3



R1

R3

R1

R3

R1

R2.5

R2

R2

R1

R1

R2

R1

R1

R1

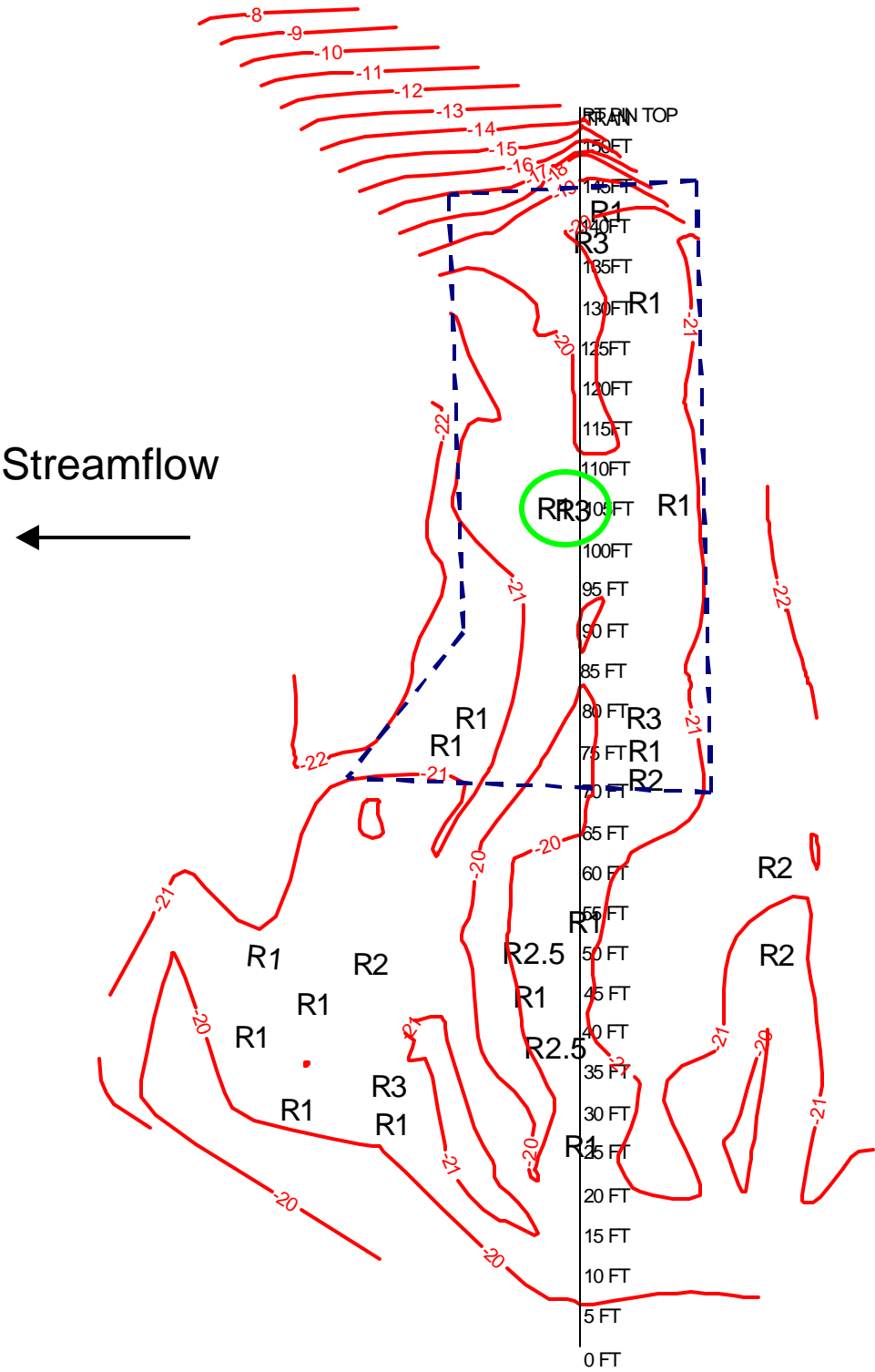
R3

R1

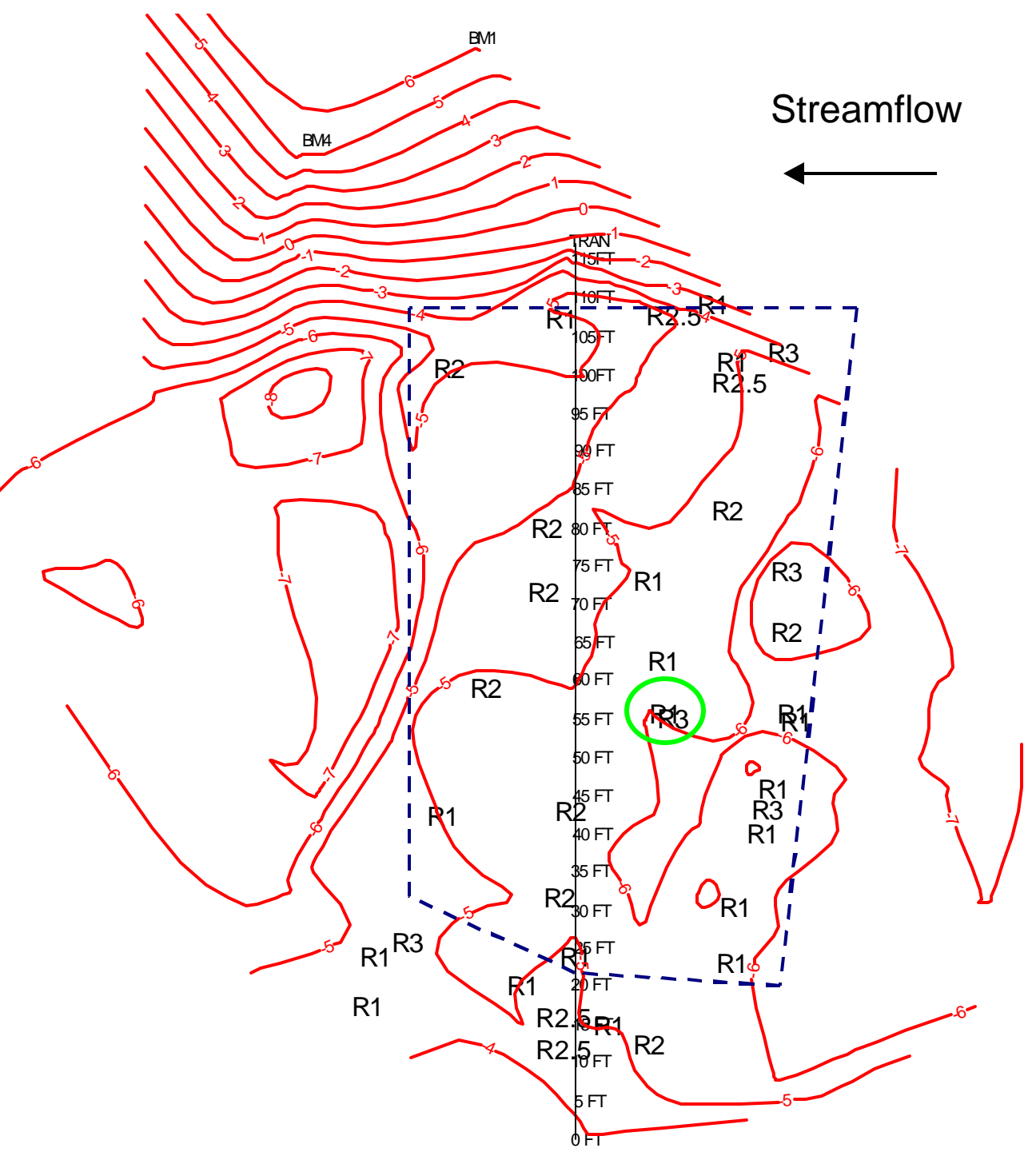
R1

R3

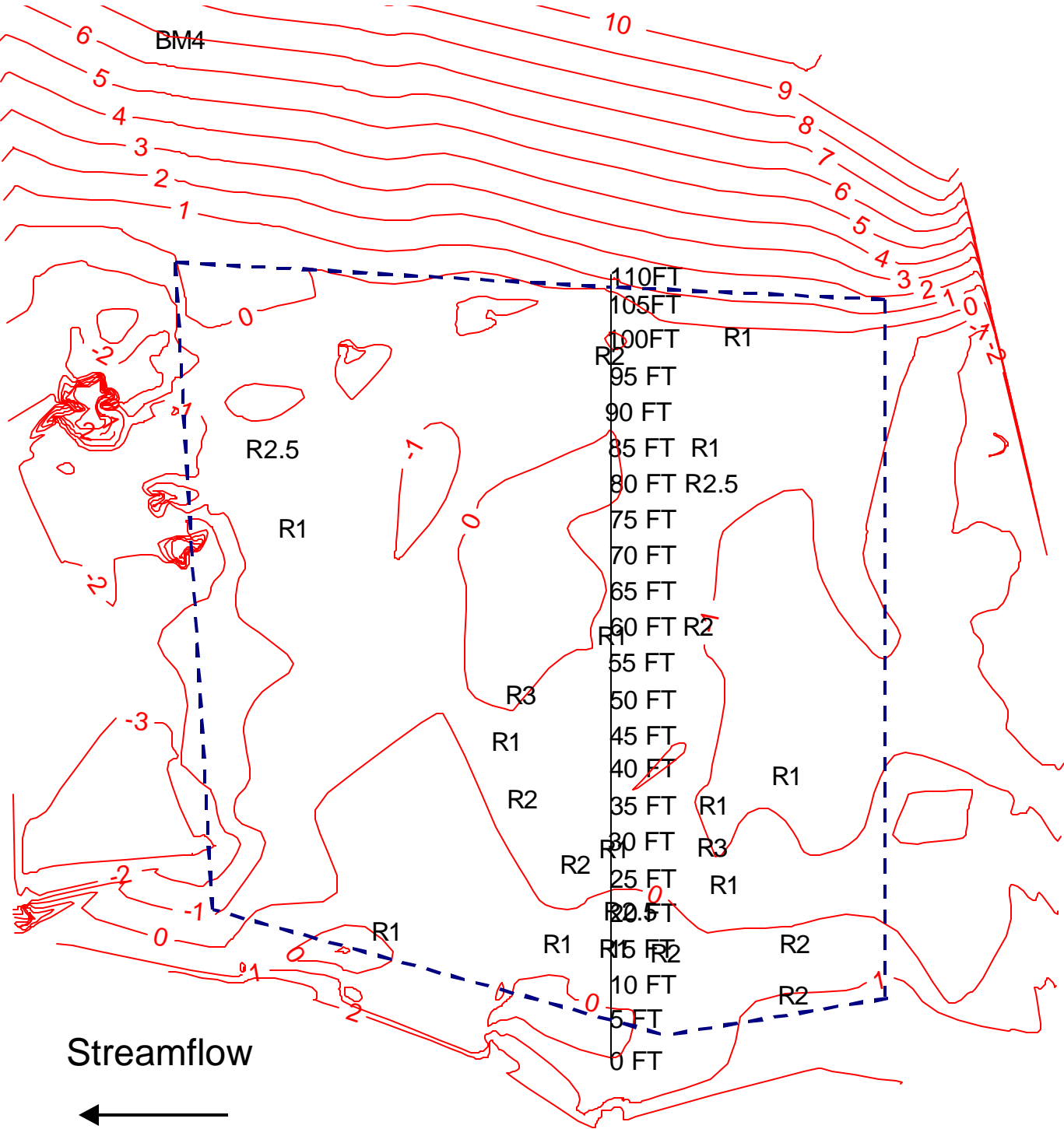
Riffle R12A



Riffle R12B

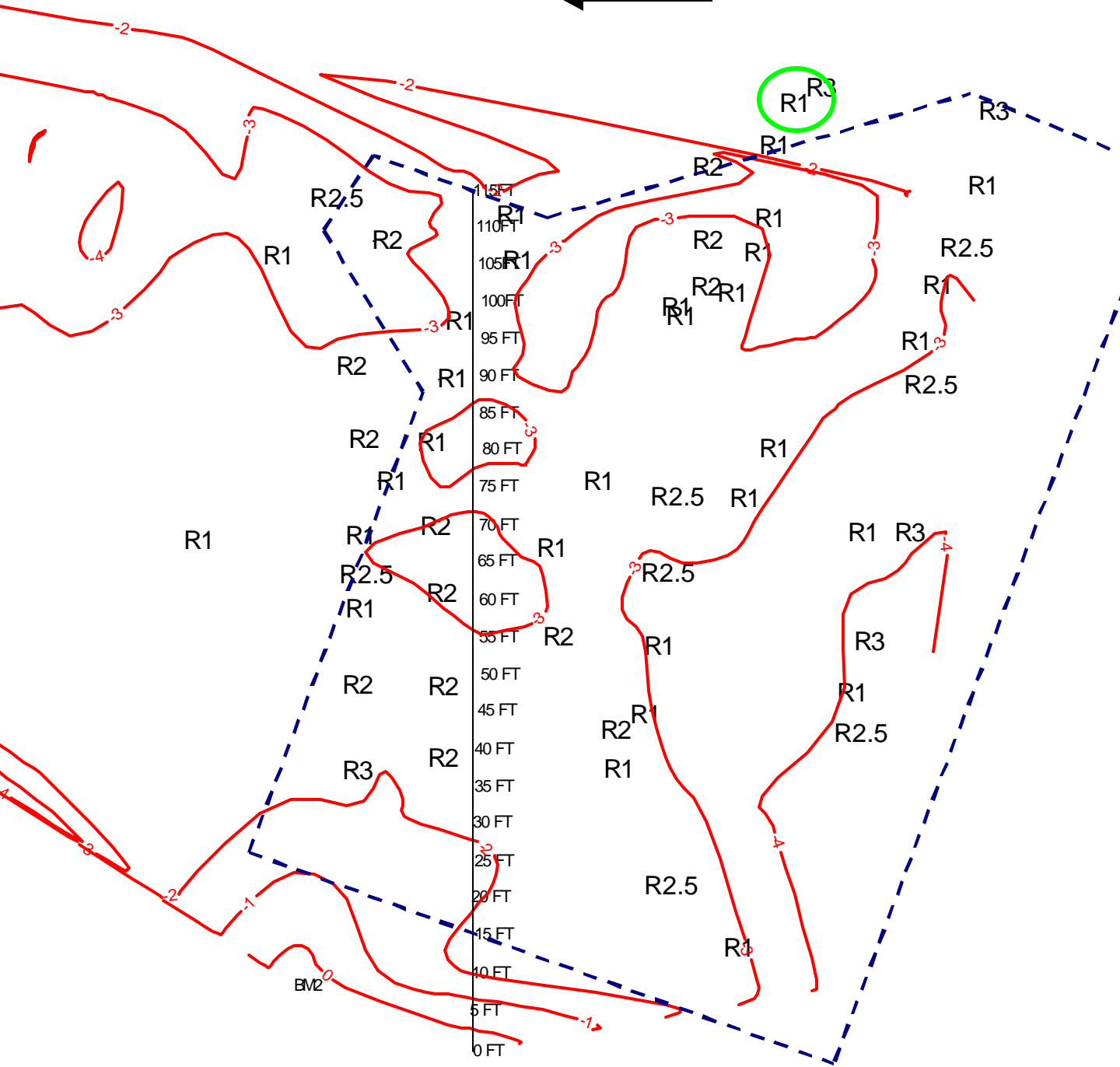


Riffle R13



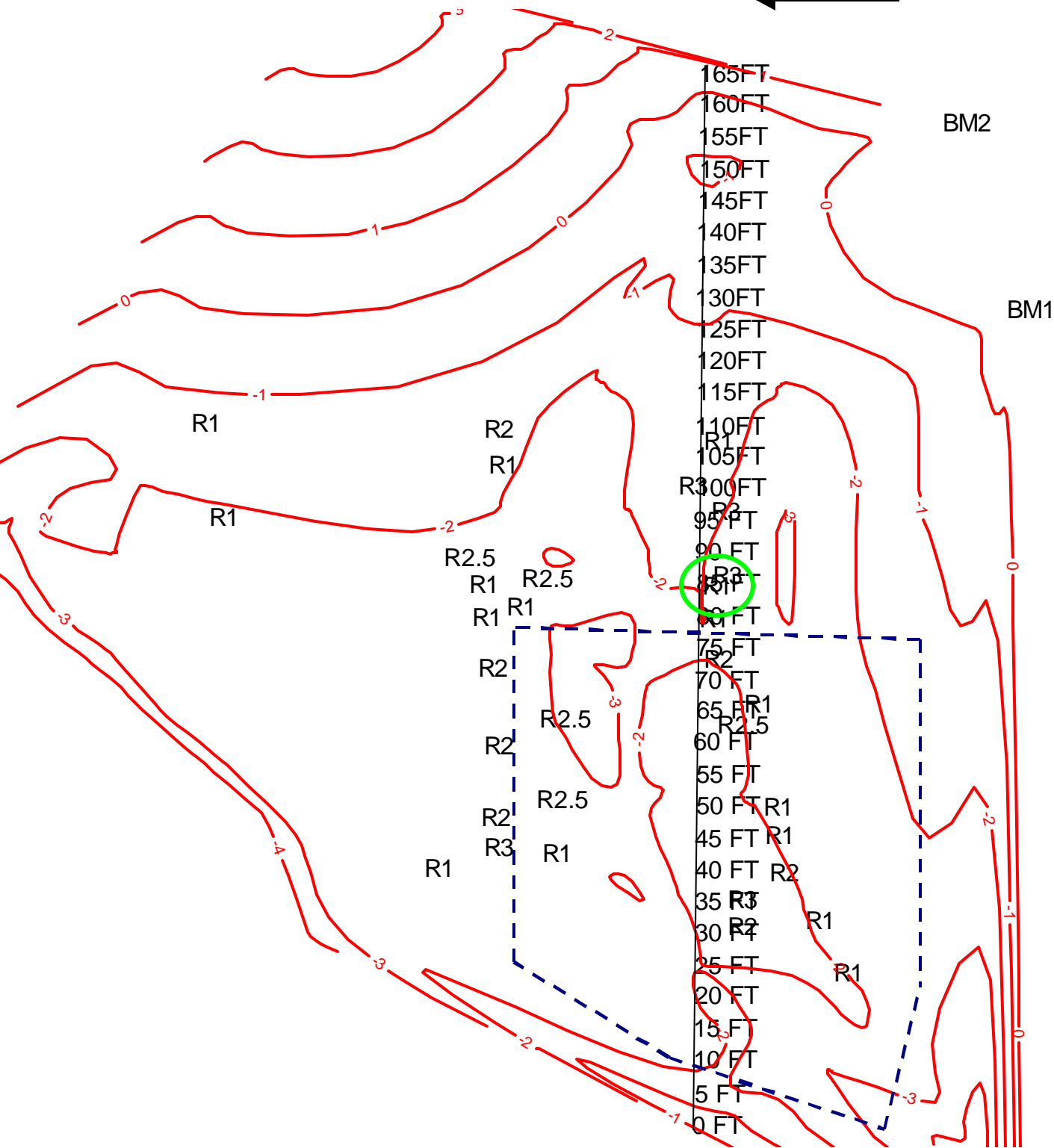
Riffle R14

Streamflow

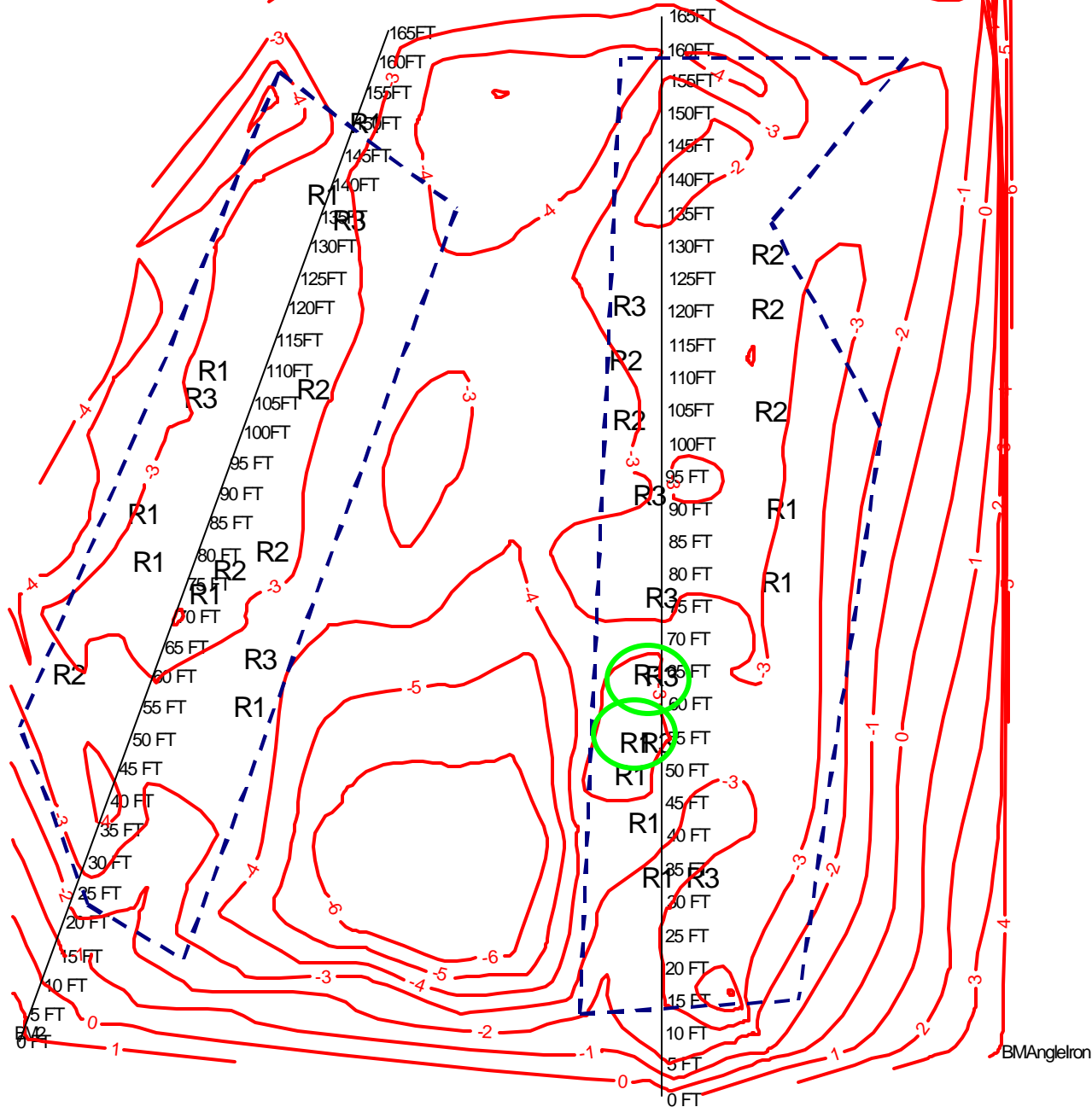


Riffle R14A

Streamflow

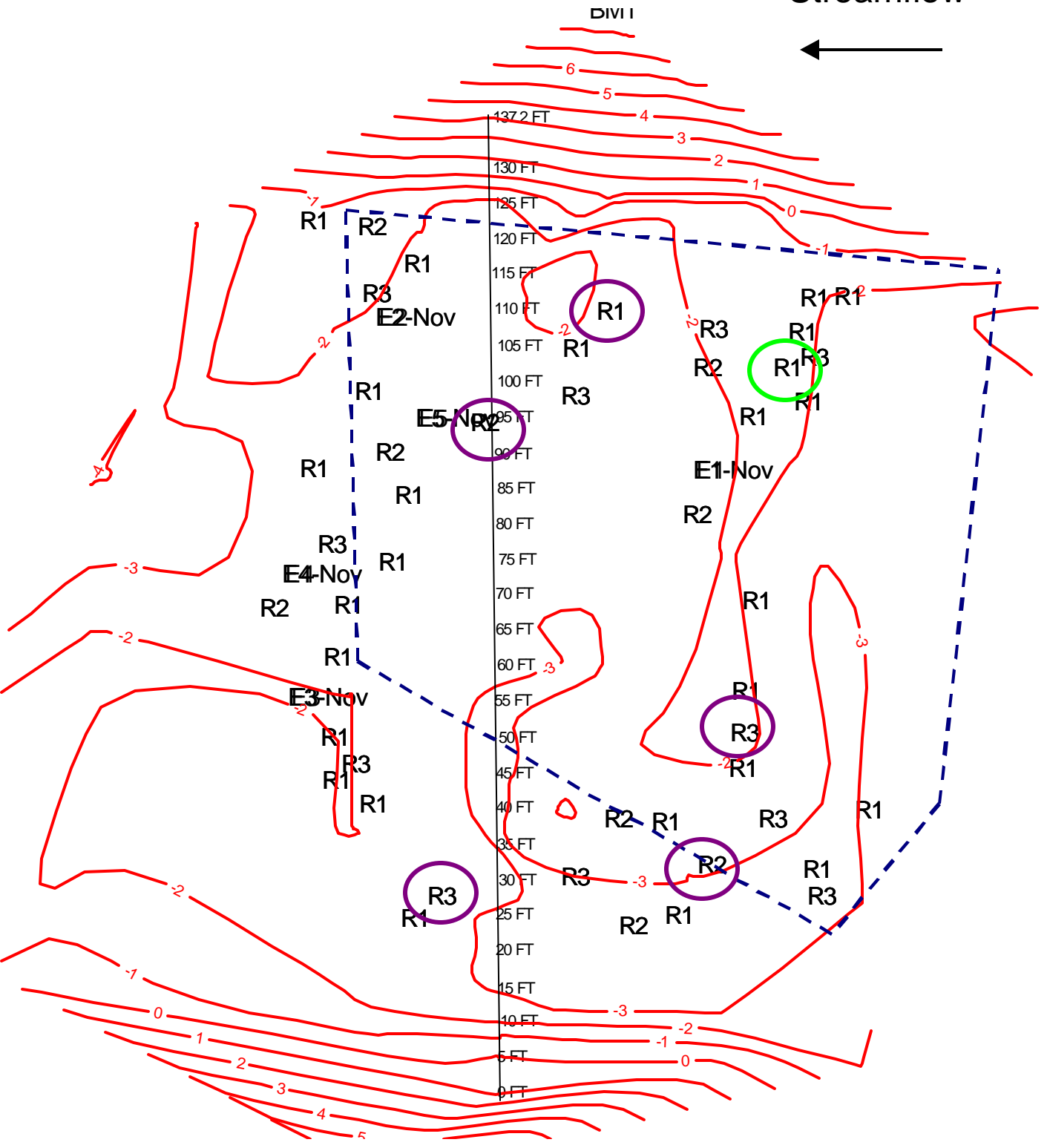


-1 _____
 _____ 0
 _____ -1 _____



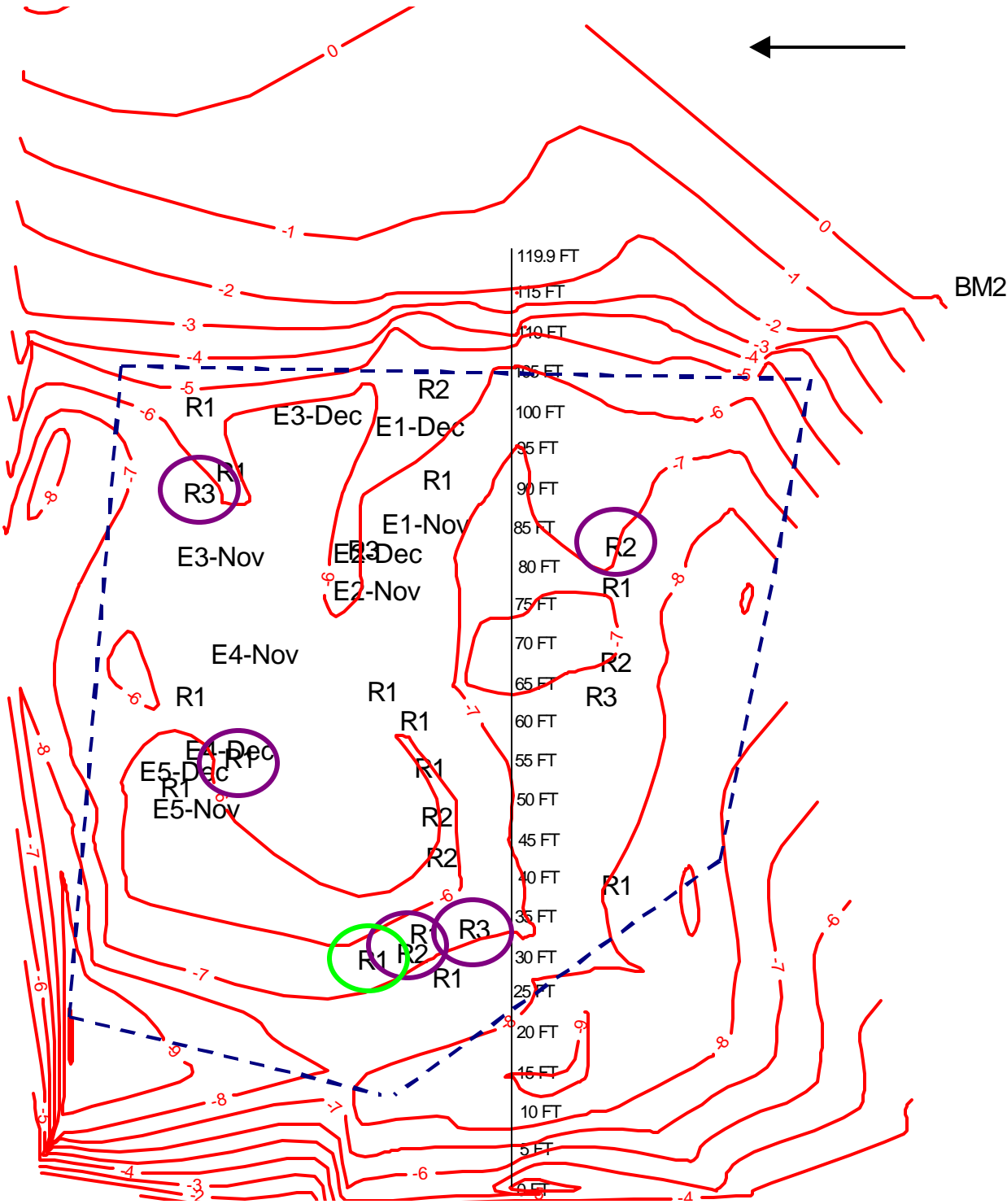
Riffle R19

Streamflow

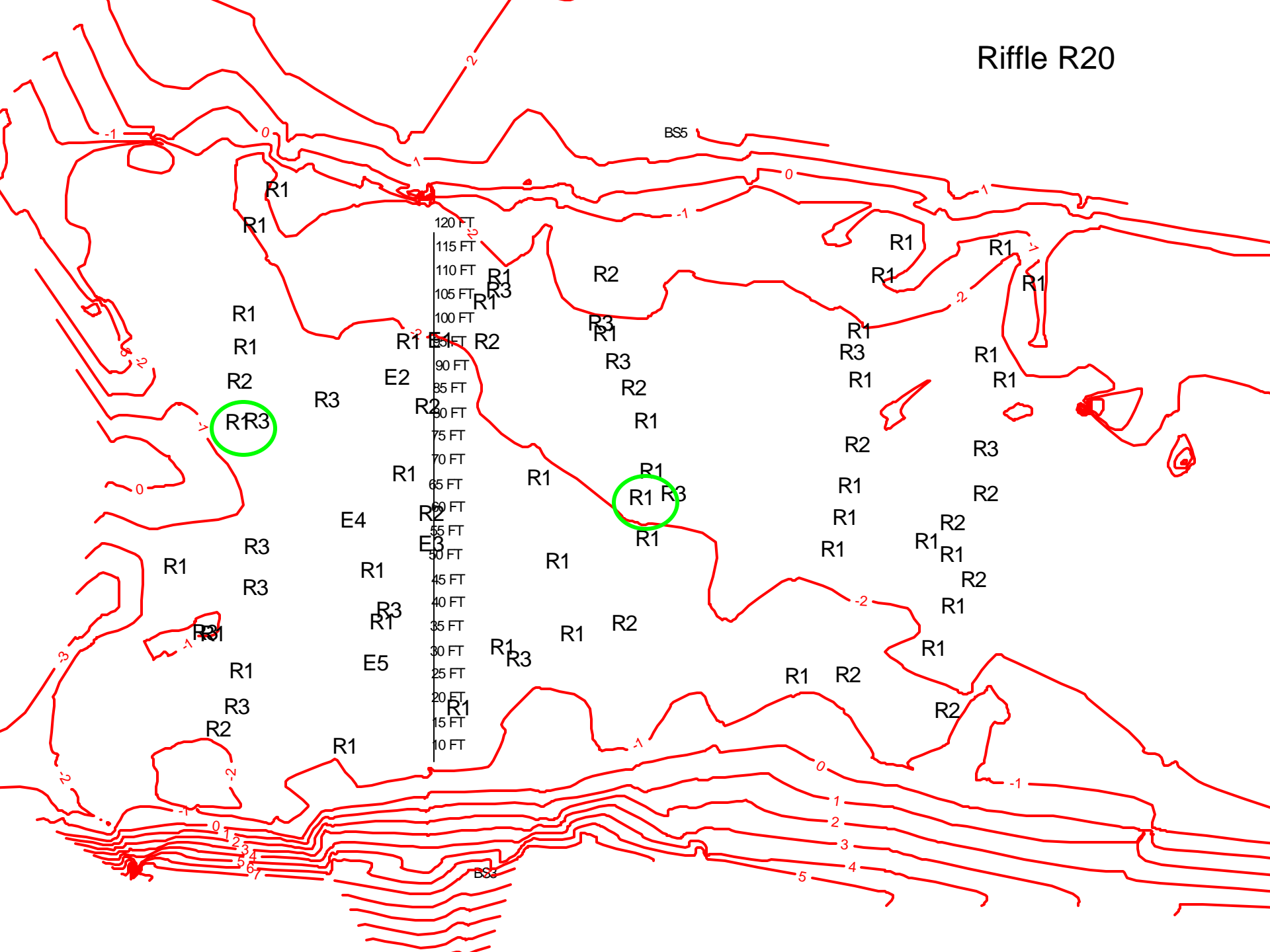


Riffle R19A

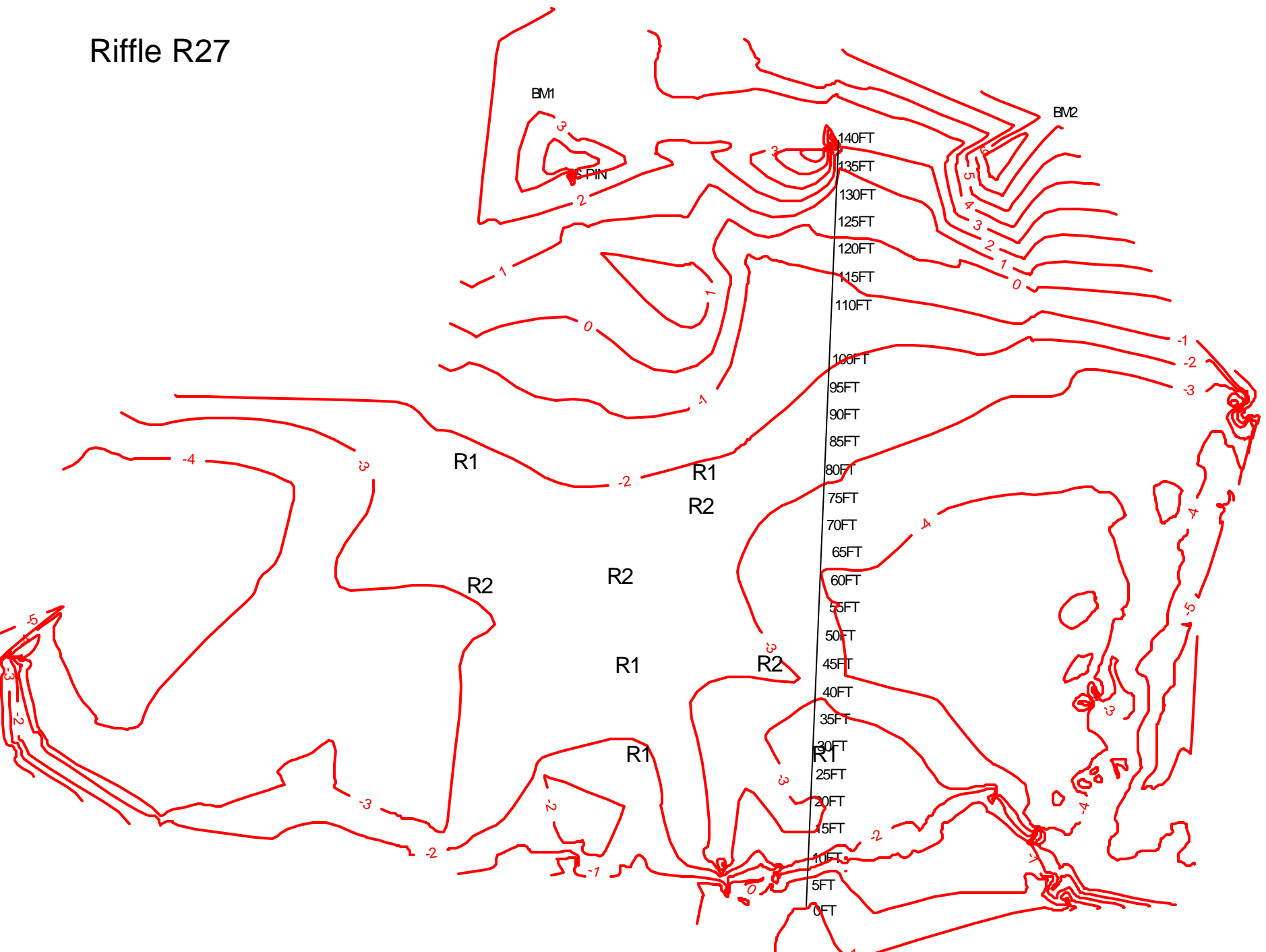
Streamflow



Riffle R20

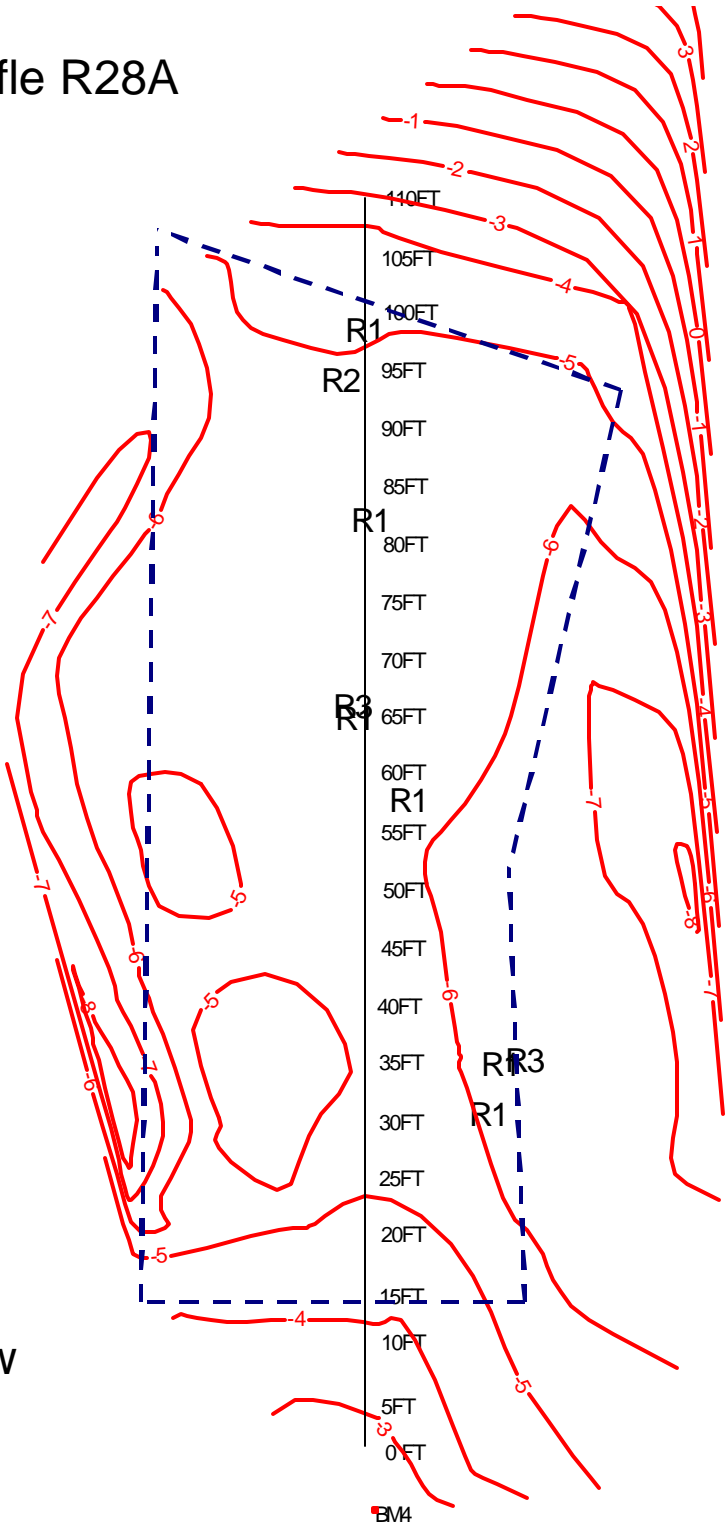


Riffle R27



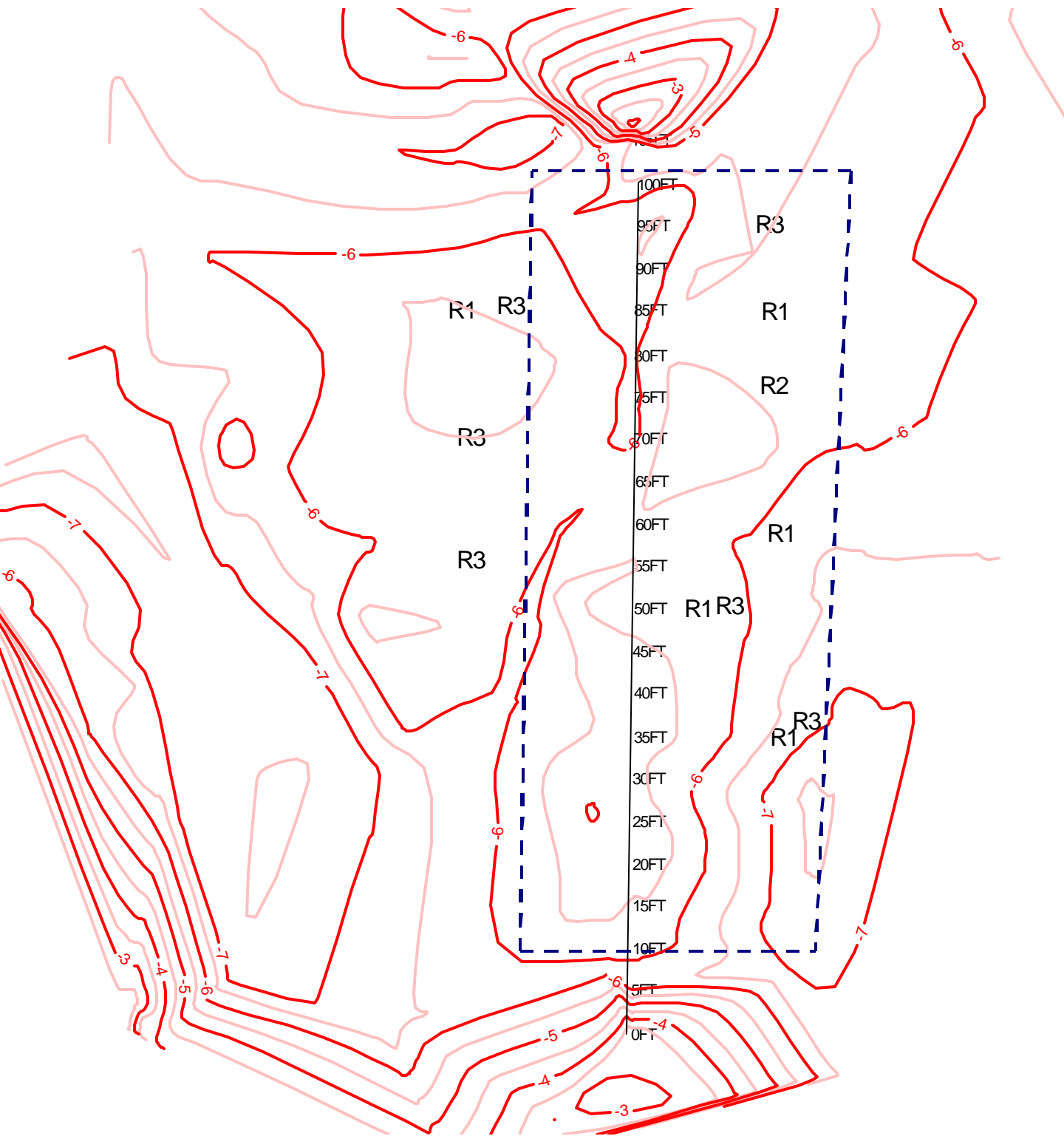
Riffle R28A

Streamflow

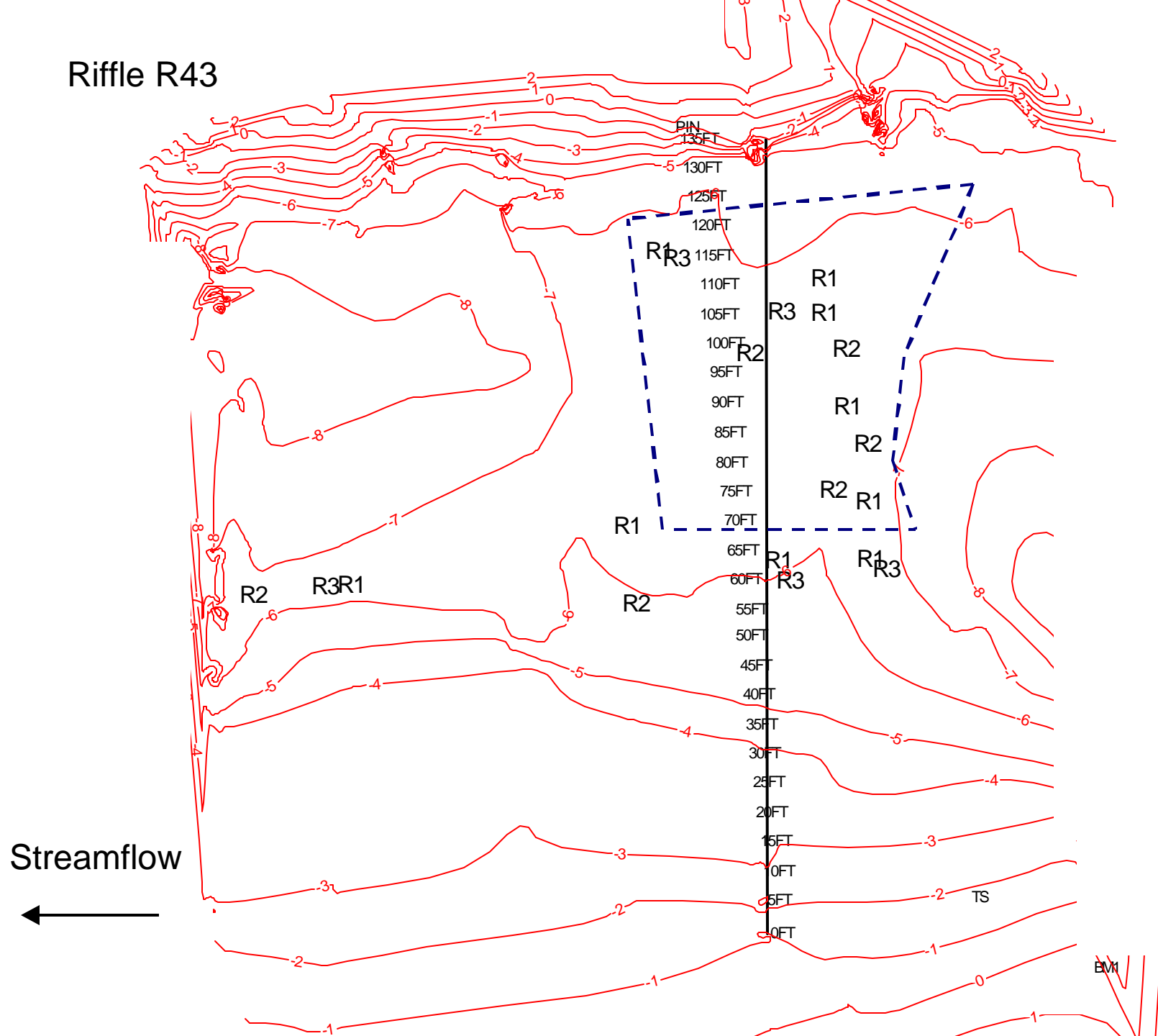


Riffle R29

Streamflow

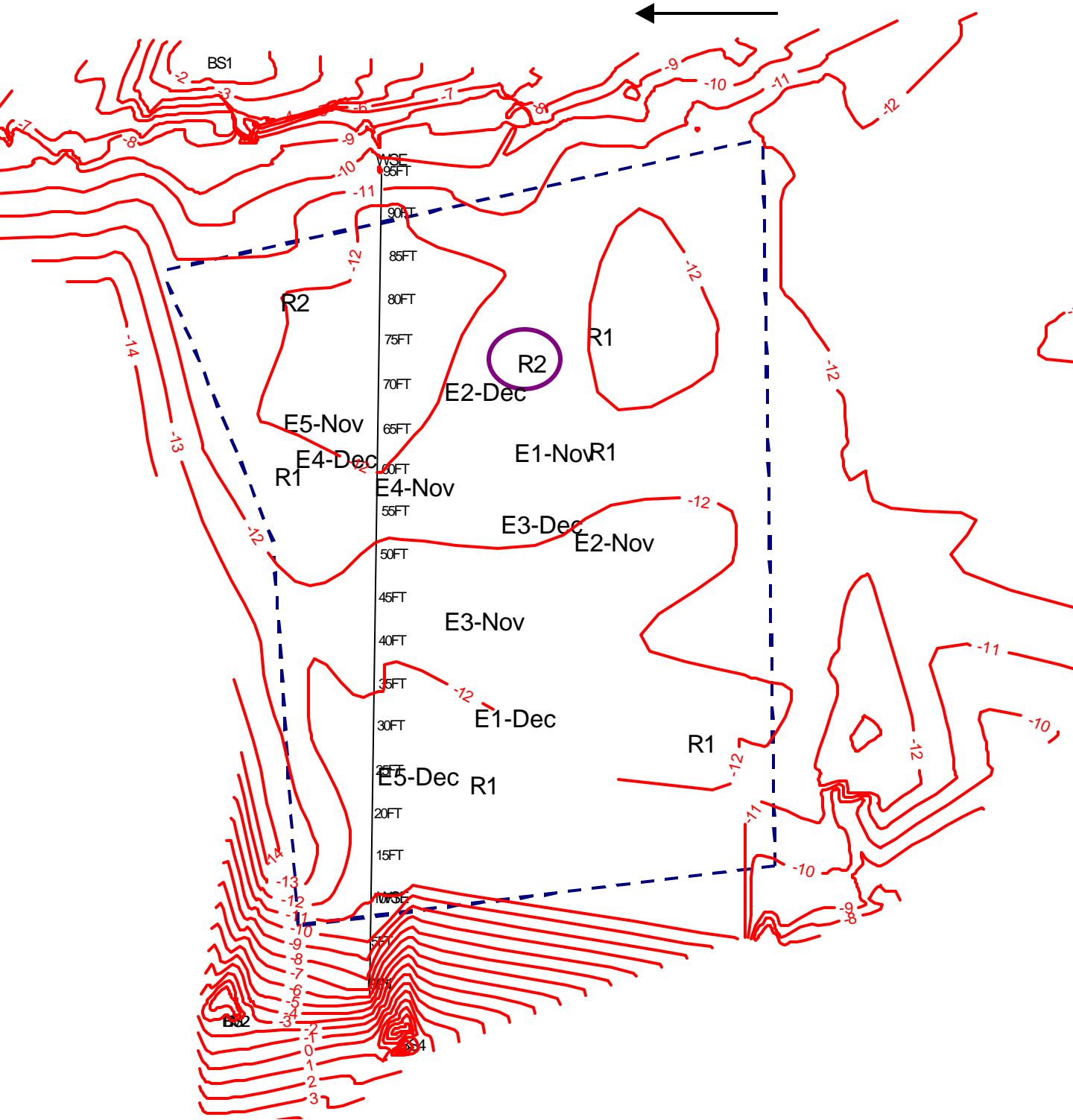


Riffle R43

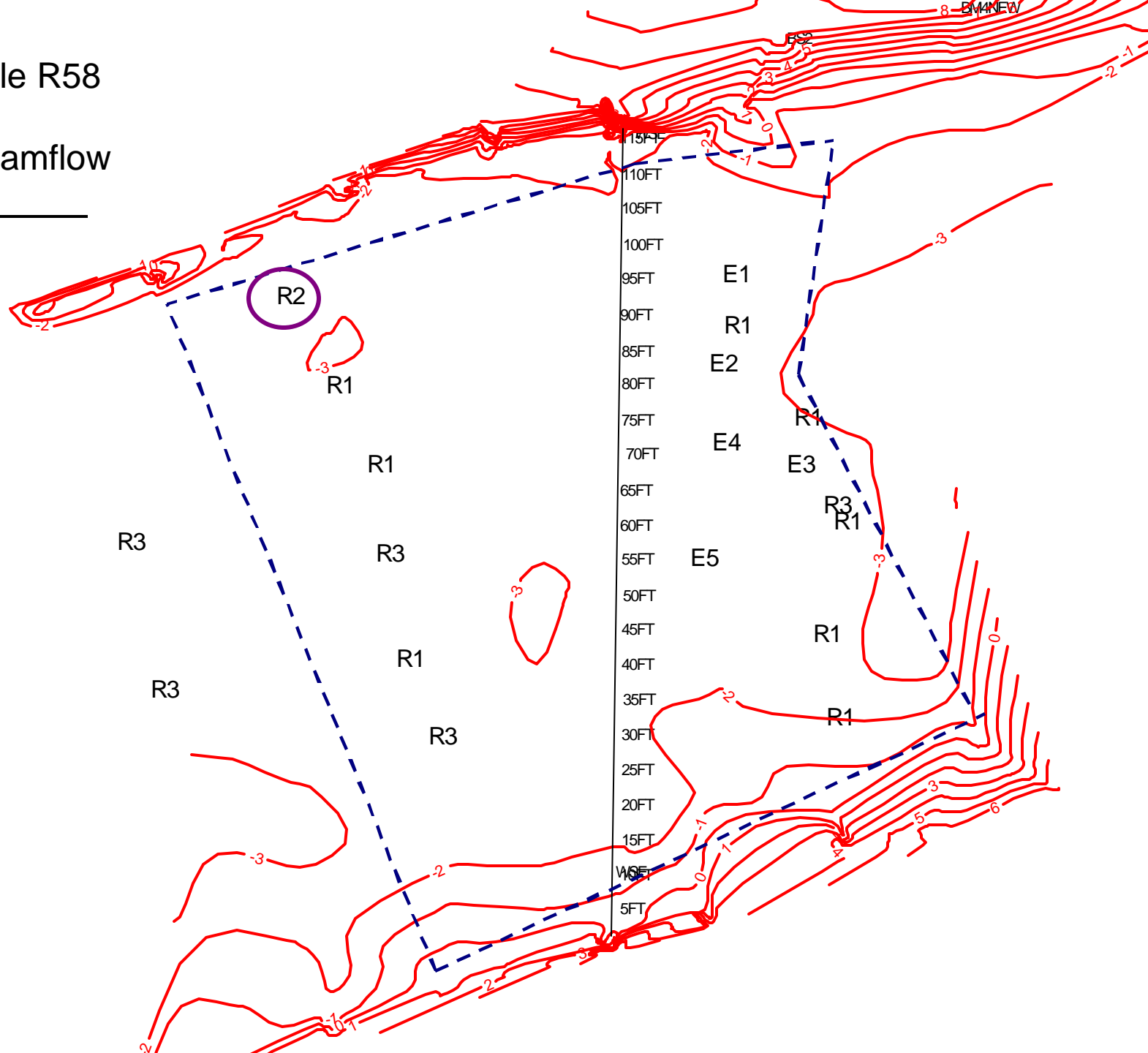


Riffle R57

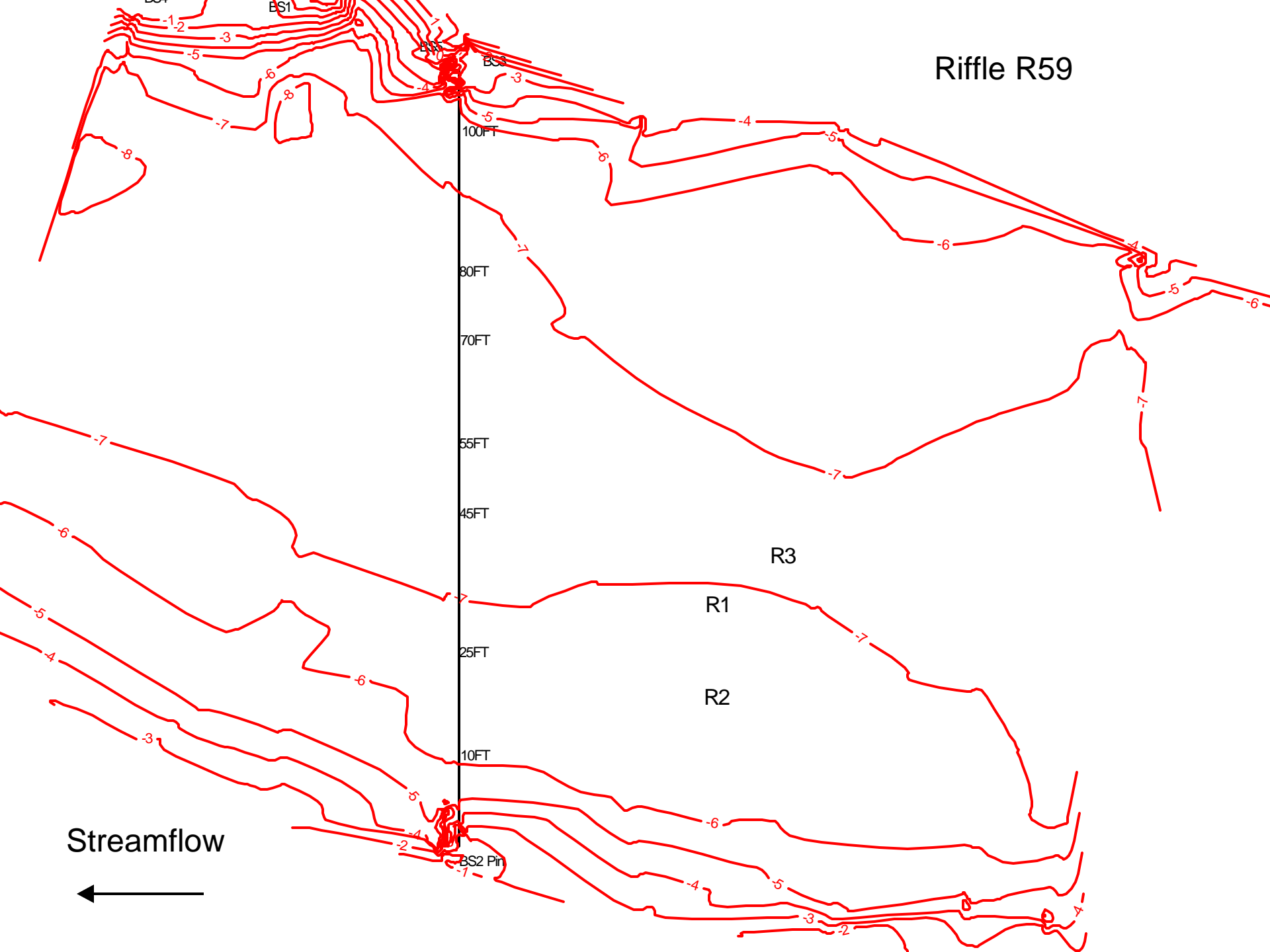
Streamflow

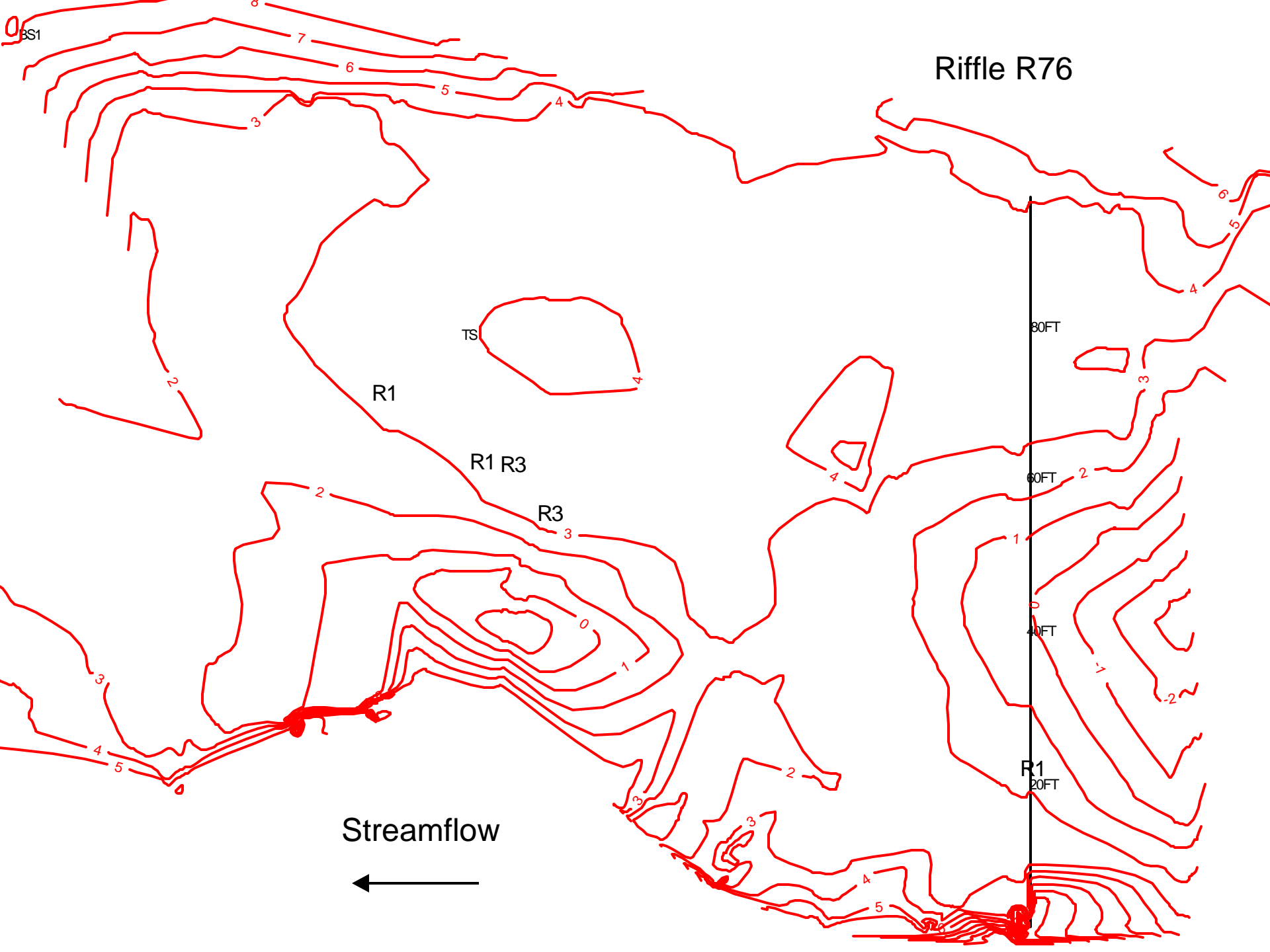


Streamflow



Riffle R59





Riffle R78

